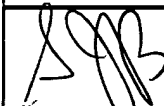





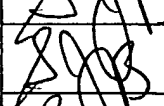


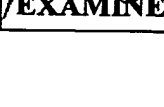
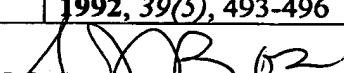







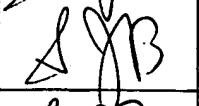



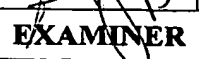






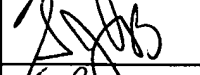
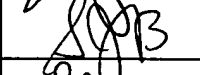
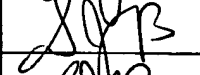
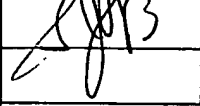
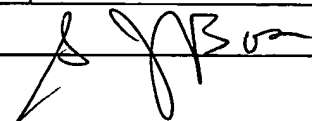
Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. BMS-2507/PH7330A	Application No. 10/762,990
	Applicant Robert E. Lewis, et al.	
	Filing Date January 22, 2004	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
SYB	1	Achuthan, P.V., et al., "Separation of carrier-free ⁹⁰ Y from high level waste by extraction chromatographic technique using 2-ethylhexyl-2-ethylhexyl phosphonic acid (KSM-17)," <i>Separation Science and Technology</i> , 2000, 35(2), 261-270
SYB	2	Campbell, J.A., et al., "A generator system for thallium-201," <i>J. Labelled Compounds and Radiopharmaceuticals</i> , 1977, 13(3), 437-443
SYB	3	Case, N., et al., <i>ORNL Radioisotope Manual, U.S.A.E.C. Report</i> , 30 th Ed., June 1964, ORNL-3633, TID 4500, 1-212
SYB	4	Chmutova, M.K., et al., "Extraction of transplutonium elements with diphenyl (alkyl-carbamoylmethyl phosphine oxides)," <i>J. Radioanal. Chem.</i> , 1983, 80(1-2), 63-69
SYB	5	Chmutova, M.K., et al., "Extraction and concentration of transplutonium elements from nitric acid solutions by diphenyl [dialkylcarbamoylmethyl] phosphine oxides," <i>Sov. Radiochem. Eng. Transl.</i> , 1982, 24, 27-33
SYB	6	Database WPI, "Separate radioactive nuclide solution treat active carbon chelate ion exchange resin," JP 57 048699 A, <i>Derwent Publications Ltd., London</i> , March 20, 1982, XP002237684 (abstract), 1 page
SYB	7	Database WPI, "Scandium extract titanium tetra chloride produce waste treat waste solution reduce agent alkaline reagent filter dissolve residue hydrochloric acid contact solid neutral organo phosphorus extract," RU 2 068 392, <i>Derwent Publications Ltd., London</i> , October 27, 1996 (AN- 1997), XP-002237685 (abstract), 1 page
SYB	8	de Britto, J.L.Q., et al., "A new production method for carrier-free ²⁰¹ Tl using IEN's cyclotron in Rio De Janeiro," <i>J. Radioanal. Nucl. Chem. Letters</i> , 1985, 96(2), 181-186
SYB	9	Deqian, L., et al., "Extraction separation of rare earth elements, scandium and thorium with mono (2-ethyl hexyl) 2-ethyl hexyl phosphonate (HEH(EPH))," <i>Int. Solvent Extr. Conf.</i> , 1980, 3, 80-202, 1-10
SYB	10	Deqian, L., et al., "Chemical problems and extraction mechanism in technology of extraction separation of rare earth elements (III) with mono (2-ethyl hexyl)2-ethyl hexyl phosphonate," <i>New Frontiers in Rare Earth Science and Applications</i> , Guangxian, X. (Ed.), 1985, 1, 463-467
EXAMINER A SYB 02		DATE CONSIDERED f-22-06



Sheet 2 of 5

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. BMS-2507/PH7330A	Application No. 10/762,990
	Applicant Robert E. Lewis, et al.	
	Filing Date January 22, 2004	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	11	Gatrone, R.C., et al., "The synthesis and purification of the carbamoylmethylphosphine oxides," <i>Solvent Extr. and Ion Exch.</i> , 1987, 5(6), 1075-1116
	12	Horwitz, E.P., et al., "Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide as an extractant for actinides from nitric acid waste," <i>ISEC '83, International Solvent Extraction Conference</i> , August 26-September 2, 1983, 451-452
	13	Horwitz, E.P., et al., The truex process - a process for the extraction of the transuranic elements from nitric acid wastes utilizing modified purex solvent," <i>Solvent Extr. Ion Exch.</i> , 1985, 3(1-2), 75-109
	14	Horwitz, et al., "Selected alkyl(phenyl)-N,N-dialkylcarbamoylmethylphosphine oxides as extractants for Am(III) from nitric acid media," <i>Sep. Sci. Technol.</i> , 1982, 17(10), 1261-1279
	15	Inoue, K., et al., <i>Nippon Kogyo Kaishi</i> , 1984, 102, 491-494 (English Abstract on page 494)
	16	Jackson, P.T., et al., "Intermolecular interactions involved in solute retention on carbon media in reversed-phase high-performance liquid chromatography," <i>Anal. Chem.</i> , 1997, 69, 416-425
	17	Lagunas-Solar, M.C., et al., "An integrally shielded transportable generator system for thallium-201 production," <i>Int. J. Appl. Radiat. Isot.</i> , 1982, 33, 1439-1443
	18	Malinin, A.B., et al., "Production of "no-carrier-added" ²⁰¹ Tl," <i>Int. J. Appln. Radiat. Isot.</i> , 1984, 35, 685-687
	19	Mathur, J.N., et al., "Partitioning of actinides from high-level waste streams of purex process using mixtures of CMPO and TBP in dodecane," <i>Waste Management</i> , 1993, 13, 317-325
	20	Mathur, J.N., et al., "Extraction of actinides and fission products by octyl(phenyl)-N,N-diisobutylcarbamoylmethyl-phosphine oxide from nitric acid media," <i>Talanta</i> , 1992, 39(5), 493-496
EXAMINER 		DATE CONSIDERED 8-22-06

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. BMS-2507/PH7330A	Application No. 10/762,990
	Applicant Robert E. Lewis, et al.	
	Filing Date January 22, 2004	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	21	Medved, T.Y., et al., "Oxides of dialkyl (diaryl) [dialkyl-carbamoylmethyl] phosphines," <i>Bulletine of the Acad. of Sci. of the U.S.S.R., Chem. Science</i> , September 1981, 1743-1746
	22	Mori, Y., et al., "Extraction equilibrium and kinetics of some lanthanoid with acidic organophosphorus extractants," <i>Proc. Symp. Solvent Extr.</i> , Jpn. Assoc. Solvent Extr. Hamamatsu, Japan, 1984, 119-124
	23	Muscatello, A.C., et al., "Synergistic extraction of plutonium and americium by bifunctional organophosphoric reagents," <i>ISEC '83 International Solvent Extraction Conference</i> , August 26-September 2, 1983, page 72-73
	24	Muscatello, A.C., et al., "The extraction of Am(III) and Eu(III) from aqueous ammonium thiocyanate by dihexyl- <i>N,N</i> -diethylcarbamoylmethylphosphonate and related compounds," <i>Sep. Sci. Technol.</i> , 1982, 17(6), 859-875
	25	Navratil, J.D., "Recent advances in americium processing chemistry," <i>Rockwell International Conference on Nuclear and Radiochemistry (ICNR '86) (papers in summary form only received)</i> , September 1-5- 1986, XP008015781, 1 page
	26	Nuñez, L., et al., "Transuranic separation using organophosphorus extractants adsorbed onto superparamagnetic carriers," <i>J. Magnetism and Magnetic Materials</i> , 1999, 194, XP-002237682, 102-107
	27	Partridge, J.A., et al., "Purification of DI-(2-ethylhexyl)phosphoric acid by precipitation of copper(II) di-(2-ethylhexyl)phosphate," <i>J. Inorg. Nucl. Chem.</i> , 1969, 31, 2587-2589
	28	Peppard, D.F., et al., "Fractional extraction of the lanthanides as their di-alkyl orthophosphates," <i>J. Inorg. Nucl. Chem.</i> , 1957, 4, 334-343
	29	Peppard, D.F., et al., "Acidic esters of phosphonic acid as selective extractants for metallic cations-selected M(III) tracer studies," <i>J. Inorg. Nucl. Chem.</i> , 1961, 18, 245-258
	30	Peppard, D.F., et al., "DI n-OCTYL phosphinic acid as a selective extractant for metallic cations," <i>J. Inorg. Nucl. Chem.</i> , 1965, 27, 2065-2073
EXAMINER	DATE CONSIDERED 8-22-06	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. BMS-2507/PH7330A	Application No. 10/762,990
	Applicant Robert E. Lewis, et al.	
	Filing Date January 22, 2004	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	31	Qaim, S.M., et al., "Production of ^{201}Tl and ^{203}Pb via proton induced nuclear reactions on natural thallium," <i>Int. J. Appl. Radiat. Isot.</i> , 1979, 30, 85-95
	32	Shadrin, A.Y., et al., "Extraction with the solution of diphenyl [dibutylcarbamoyl-methyl] phosphine oxide in polar solvent," <i>Nuclear Materials Technology and Nuclear Fuel Cycle</i> , September 14, 1992, 281-283
	33	Shultz, W.W., et al., "Recent progress in the extraction chemistry of actinide ions," <i>J. Less-Common Metals</i> , 1986, 122, 125-138
	34	Warf, J.C., "Extraction of cerium(IV) nitrate by butyl phosphate ^{1a} ," <i>J. Am. Chem. Soc.</i> , September 1949, 71, 3257-3258
	35	Wilke, J.S., et al., "Chemistry for commercial scale production of yttrium-90 for medical research," <i>Appl. Radiat. Isot.</i> , 1990, 41(9), 861-865
	36	Campbell, J.A., "A generator system for thallium-201," <i>J. of Labelled Compounds and Radiopharmaceuticals</i> , 1977, 13(3), 437-443
	37	Lebowitz, E., et al., "Thallium-201 for medical use. I," <i>J. of Nucl. Med.</i> , 1975, 16(2), 151-155
	36	Malinin, A.B., et al., "Production of "No-Carrier-Added" ^{201}Tl ," <i>Int. J. Appl. Radiat. Isot.</i> , 1984, 35(7), 685-687
EXAMINER 	DATE CONSIDERED 8-22-06	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. BMS-2507/ PH7330A	Application No. 10/762,990
	Applicant Robert E. Lewis, et al.	
	Filing Date January 22, 2004	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
8 JB	39	3,993,538	11/23/76	Lebowitz, et al.	176	11
↓	40	5,368,736	11/29/94	Horwitz, et al.	210	635
↓	41	5,512,256	04/30/96	Bray, et al.	423	2
8 JB	42	6,309,614 B1	10/30/01	Horwitz, et al.	423	2

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

EXAMINER

DATE CONSIDERED

8-22-06